

CLAIMS

1. A microdispersion for use as such or for incorporation into compositions, said
5 microdispersion comprising at least one hydrogenated or partially hydrogenated, saturated or partially saturated membrane lipid with or without enzyme hydrolysis dispersed homogeneously in a substantially non aqueous and non volatile hydrophilic medium, optionally comprising biologically active compounds, excipients and preservatives.
2. Microdispersion according to claim 1, wherein the dispersed particles are below 1000 nm.
3. Microdispersion according to claim 1 or 2, wherein the dispersed particles include
15 oil droplets comprising between 0 wt % to 40 wt % of at least one oil associated with at least one hydrogenated or partially hydrogenated membrane lipid with a particle size below 1000 nm z average diameter.
4. Microdispersion according to any one of claims 1 - 3, wherein the dispersed phase
20 comprises 0.1 wt % to 50 wt % of the total components.
5. Microdispersion according to any one of claims 1 - 4, wherein the dispersed phase comprises between 0.01 wt % to 40 wt % of hydrogenated/saturated diacyl membrane lipids with at least 70 mol % of saturated fatty acids.
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6. Microdispersion according to any one of claims 1 - 4, wherein the dispersed phase comprises between 0.01 wt % to 40 wt % mixture of hydrogenated/saturated diacyl and monoacyl membrane lipids with at least 70% of saturated fatty acids.
- 30 7. Microdispersion according to claim 5 and/or 6, wherein the hydrogenated membrane lipids are enzyme modified and comprise between 5 wt % to 90 wt % of monoacyl phosphatidylcholine.

8. Microdispersion according to any one of claims 1 - 7, wherein the non aqueous hydrophilic medium comprises between 10 wt % to 90 wt % of at least one non volatile liquid with boiling point above 40°C.

5 9. A method of preparing a microdispersion according to any one of claims 1 - 8, which comprises a step that involves dispersing at least one hydrogenated membrane lipid with or without enzyme modification in a substantially non aqueous hydrophilic medium by mixing above ambient temperatures in order to obtain dispersed particles below 1000 nm z average diameter.

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10. Microdispersion according to any one of the preceding claims for incorporation into a topical composition.